MOHANA PAVAN KUMAR VANKAYALA

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FULL STACK DEVELOPER

Software Engineer | Front-end Developer | Back-end Developer

Dynamic and detail-oriented Full Stack Developer with a strong background in both frontend and backend technologies. Skilled in building responsive, user-friendly applications and proficient in various programming languages, frameworks, and libraries including HTML, CSS, JavaScript, Python, React, Node.js, and SQL etc. Experienced in developing, deploying, and maintaining applications from the ground up, ensuring functionality, performance, and scalability. Passionate about clean code, innovative problem-solving, and staying updated with the latest technologies. Adept at collaborating across teams to deliver efficient and scalable solutions tailored to business needs.

WORK EXPERIENCE

TOURSLOG – *Remote*   08/2022 – 02/2023
Software Dev Intern

Organized client meetings, conducted software testing, and built an admin portal using Vue Js for efficient user data Promptly.

- My responsibilities are creating a user-friendly UI for the user's landing page using Vue.JS. Implementing toaster for notification purposes. A separate email verification UI for registered users to enter verification code using JavaSpring Boot.

- Admin portal to manipulate the user's data based on the requirements, using Vue.JS. I have used git and GitHub to manage the code among multiple team members.

FUTURE READY TALENT, MICROSOFT - *Remote*   04/2022 - 08/2022
Student Intern

I got an opportunity to intern at Future Ready Talent, an organization partnered with Microsoft, where I experienced the world of Azure cloud Technologies, Version control system, Git Hub.

- I have, developed a web application called "Travelling Management System." Main Pages are Signup, sign in, Homepage, contact page, Popular places page etc.

- Users can check various places they want to visit and finding best destinations for their trips. Users can contact for booking, I need to advance the project to next extent like they can book various hotels, restaurants for their vacations.

MALTECH SOLUTIONS PVT. LTD - *Remote*   09/2021 - 10/2021
Student Intern

I got an opportunity to intern at Maltech Solutions, startup company where I can enhance my skills in web technologies.

- Eager to learn about technologies which helps to my professional growth. A one-month journey that provided me with valuable experience to gain industry level knowledge and I am excited to advance my carrier growth in computer science.

PROJECTS

WEBSITE DEVELOPMENT FOR HIGHER EDUCATION INSTITUTION

- This project is aimed to develop my college website.

- In this project, my roles and responsibilities are to development pages for placements in college, pages like placements staff, placement registration, year wise placements, branch wise placements are shown in pie chart. This project development was done using MERN stack.

TRAVELLING MANAGEMENT SYSTEM

- This project is developed using HTML, CSS, Java Script.

- Firstly, pages are Home Page, Sign Up, Sign In, Contact Page, Historical places, Photo Gallery etc. Users can check various places they want to visit and finding best destinations for their trips. Users can contact for booking, this project I have developed for my Future Ready Talent Internship. I want to advance some of the features.

SUDOKU VALIDATOR

- This Project was developed using Python, Flask.

- The Sudoku Validator project aims to provide a comprehensive solution for verifying the correctness of Sudoku puzzles and parsing them into a usable format. It is a popular logic-based puzzle game that requires filling a 9x9 grid with digits from 1 to 9, ensuring that each row, column, and 3x3 sub grid contains all digits without repetition.

- This Project allows to given input from terminal, Gui (file as input), Web Interface (file as input) to validate Sudoku.

HEART DISEASE PREDICTION USING MACHINE LEARNING & DEEP LEARNING

- This Project was developed using Logistic Regression, Decision Tree, Support Vector Machine, K - Nearest Neighbors, Random Forest algorithms. Feed Forward Neural Network, Multi-Layer Perceptron, Deep Neural Network algorithms.

- I got best accuracies in Random Forest and Deep Neural Network algorithms. This Project allows users to provide their values in the fields provided like Chest Pain Type, Resting Blood Pressure, Serum Cholesterol etc. This Provides overall percentage to get heart disease.

QUIZ APPLICATION

- This Project was developed using HTML, CSS, Java Script.

- It allows users to answer multiple-choice questions, displays immediate feedback, and calculates the final score in a stylish and engaging way. You can try again, by clicking the restart button.

MERN AUTHENTICATION SYSTEM

- This Project was developed using MERN Stack.

- This Project provides user authentication features, including login, signup, and forgot password, Logout. The application demonstrates secure user management with JWT-based authentication, password hashing using bcrypt.

EDUCATION

University of Central Missouri – *Lee's Summit, MO, USA*

Master's – Computer Science, Aug 2025

CGPA: 3.75 / 4.0

Bapatla Engineering College - *Bapatla, AP, India*

Bachelor's – Information Technology, Apr 2023

CGPA: 3.58 / 4.0

Sri Chaitanya Junior College - *Vijayawada, AP, India*

High School – Mathematics, Physics, Chemistry, Apr 2019

CGPA: 4.0 / 4.0

PROFESSIONAL SKILLS

- **Programming languages:** C, Python
- **Web technologies:** Html, CSS, JavaScript, Vuejs, React.JS, Node.JS, Express.JS, Bootstrap
- **Database languages:** MySQL, MongoDB
- **Security:** NIST, CISSP, CIA Triad, SIEM Tools, IDS, IPS.
- **Tools:** Visual Studio Code, GitHub.
- Excellent communication skills with a focus on team building and customer relations.
- Outstanding organizational, multitasking, and problem-solving abilities, critical thinking.

CERTIFICATIONS

- C for Everyone: Programming Fundamentals by the University California, Santa Cruz.
- Introduction on to Programming using Python by Microsoft.
- Python for Everybody (Getting Started with Python) by University of Michigan.
- Python for Data Science by NPTEL.
- SQL(Basic) by Hacker Rank.
- SQL(Intermediate) by Hacker Rank.
- Cybersecurity Professional Certificate by Google, Coursera

VOLUNTEER EXPERIENCE

Bapatla Engineering College – *Bapatla, AP, India*   07/2019 – 02/2020
Bectagon National Event

- As the Student Coordinator for the Bectagon National event, I was involved in a range of responsibilities to ensure the event's success. tasks such as event planning, logistics management, team coordination, communication with stakeholders, promotion and marketing, participant registration, problem-solving during the event, and overseeing the execution of the program.
- Overall, my contributions as the Student Coordinator were instrumental in the effective coordination and positive outcome of the Bectagon National event.

AWARDS AND HONORS

Dean's List – *Bapatla Engineering College*   07/2019 - 05/2023
- Secured 3rd prize in Quiz Competition on Engineer's Day, 1st Year.
- Secured 1st prize in Quiz Competition on Engineer's Day, 4th Year